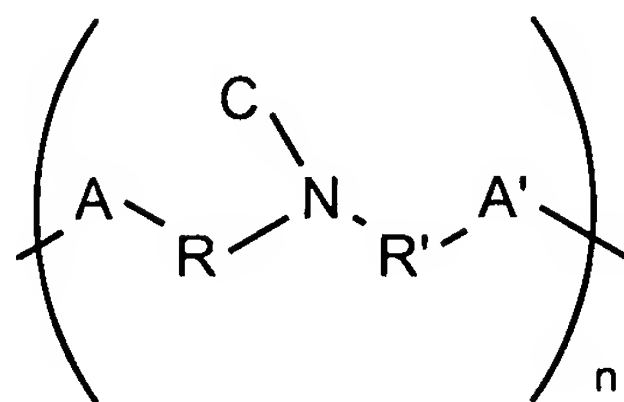


## CLAIMS

Claim 1. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone having the formula:



where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independently chosen from the group containing linear or branched, saturated or unsaturated, alkyl, alkenyl, alkylamine, -NH-, -NR-, or arylalkyl with 0 to 10 carbon atoms and where A and A' are the same or different and are independently chosen from the group containing

$[-(\text{C}=\text{O})\text{O}-, -\text{O}(\text{C}=\text{O})\text{NH}-, -\text{HN}(\text{C}=\text{O})\text{NH}-, -\text{O}-, -\text{OH}, -\text{CH}_2\text{OH}, -\text{CH}_3,$

$-(\text{C}=\text{O})\text{OH}, -\text{O}((\text{C}=\text{O})\text{CO})_m-, -\text{O}((\text{C}=\text{O})\text{C}=\text{C})_m-, -\text{N}(\text{C}=\text{O})-,$

$-\text{O}(\text{C}=\text{O})\text{C}_6\text{H}_4(\text{C}=\text{O})-, -\text{O}(\text{C}=\text{O})\text{D}-, -\text{OC}(\text{C}-\text{OH})\text{D}-, -(\text{O}-\text{SiH}_2)_m-,$

$-(\text{CH}_2)_1 -]$  where D is linear or branched, saturated or

unsaturated, alkyl, alkenyl, alkylamine or alkylaryl with 0 to 10 carbon atoms, and where 1 and m are integers greater than zero.

Claim 2. (withdrawn): A polymer according to claim 1 wherein A and A' are the same or different and are independently chosen from the group containing  $[-(C=O)O-$ ,  $-O(C=O)NH-$ ,  $-HN(C=O)NH-$ ,  $-O-$ ,  $-OH$ ,  $-CH_2OH$ ,  $CH_3$ ,  $-(C=O)OH$ ,  $-O((C=O)C=C)_m-$ ,  $-N(C=O)-$ ,  $-(O-SiH_2)_m-$ ,  $-(CH_2)_m-$ ] wherein m is an integer greater than zero.

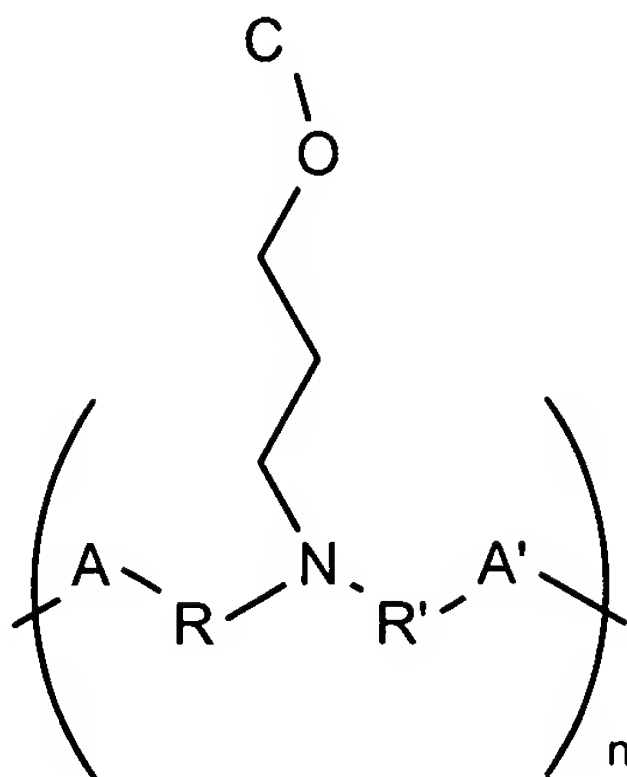
Claim 3. (withdrawn): The polymer of claim 1 wherein the pendant fatty group has an occurrence rate of from 5 ppm to 100%.

Claim 4. (withdrawn): A surface coating comprising a polymer according to claim 1.

Claim 5. (withdrawn): A cast part comprising a polymer according to claim 1.

Claim 6. (withdrawn): An extruded film or fiber comprising a polymer according to claim 1.

Claim 7. (currently amended): A polymer containing a fatty group pendant to the polymer backbone having the formula:



where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independently chosen from the group containing linear or branched, saturated or unsaturated, ~~[alkyl, alkenyl, alkylamine]~~ -NH-, -NR-, or ~~[arylalkyl with 0 to 10 carbon atoms]~~ and where A and A' are the same or different and are independently chosen from the group containing

~~[-(C=O)O-, -O(C=O)NH-, -HN(C=O)NH-, -O-, -OH, -CH<sub>2</sub>OH, -CH<sub>3</sub>,  
 -(C=O)OH, -O((C=O)CO)<sub>m</sub>-, -O((C=O)C=C)<sub>m</sub>-, -N(C=O)-,  
 -O(C=O)C<sub>6</sub>H<sub>4</sub>(C=O)-, -O(C=O)D-, -OC(C-OH)D-, -(O-SiH<sub>2</sub>)<sub>m</sub>-,~~

$-(CH_2)_1-$  where D is linear or branched, saturated or unsaturated, alkyl, alkenyl, alkylamine or alkylaryl with 0 to 10 carbon atoms, and where l and m are integers greater than zero.

Claim 8. (original): A polymer according to claim 7 wherein A and A' are the same or different and are independently chosen from the group containing  $[-(C=O)O-$ ,  $-O(C=O)NH-$ ,  $-HN(C=O)NH-$ ,  $-O-$ ,  $-OH$ ,  $-CH_2OH$ ,  $CH_3$ ,  $-(C=O)OH$ ,  $-O((C=O)C=C)_m-$ ,  $-N(C=O)-$ ,  $-(O-SiH_2)_m-$ ,  $-(CH_2)_m-$ ] wherein m is an integer greater than zero.

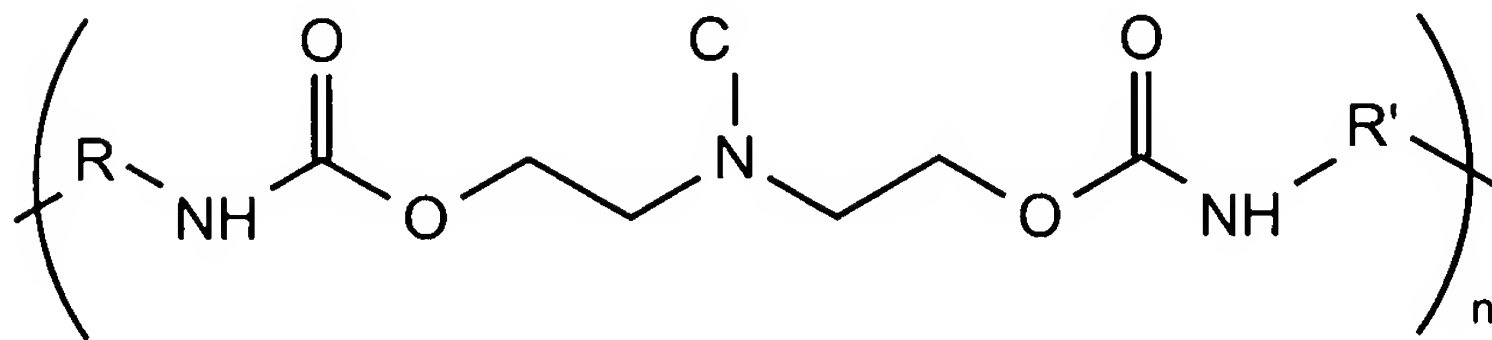
Claim 9. (original): The polymer of claim 7 wherein the pendant fatty group has an occurrence rate of from 5 ppm to 100%.

Claim 10. (original): A surface coating comprising a polymer according to claim 7.

Claim 11. (original): A cast part comprising a polymer according to claim 7.

Claim 12. (original): An extruded film or fiber comprising a polymer according to claim 7.

Claim 13. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone, said polymer having the formula:



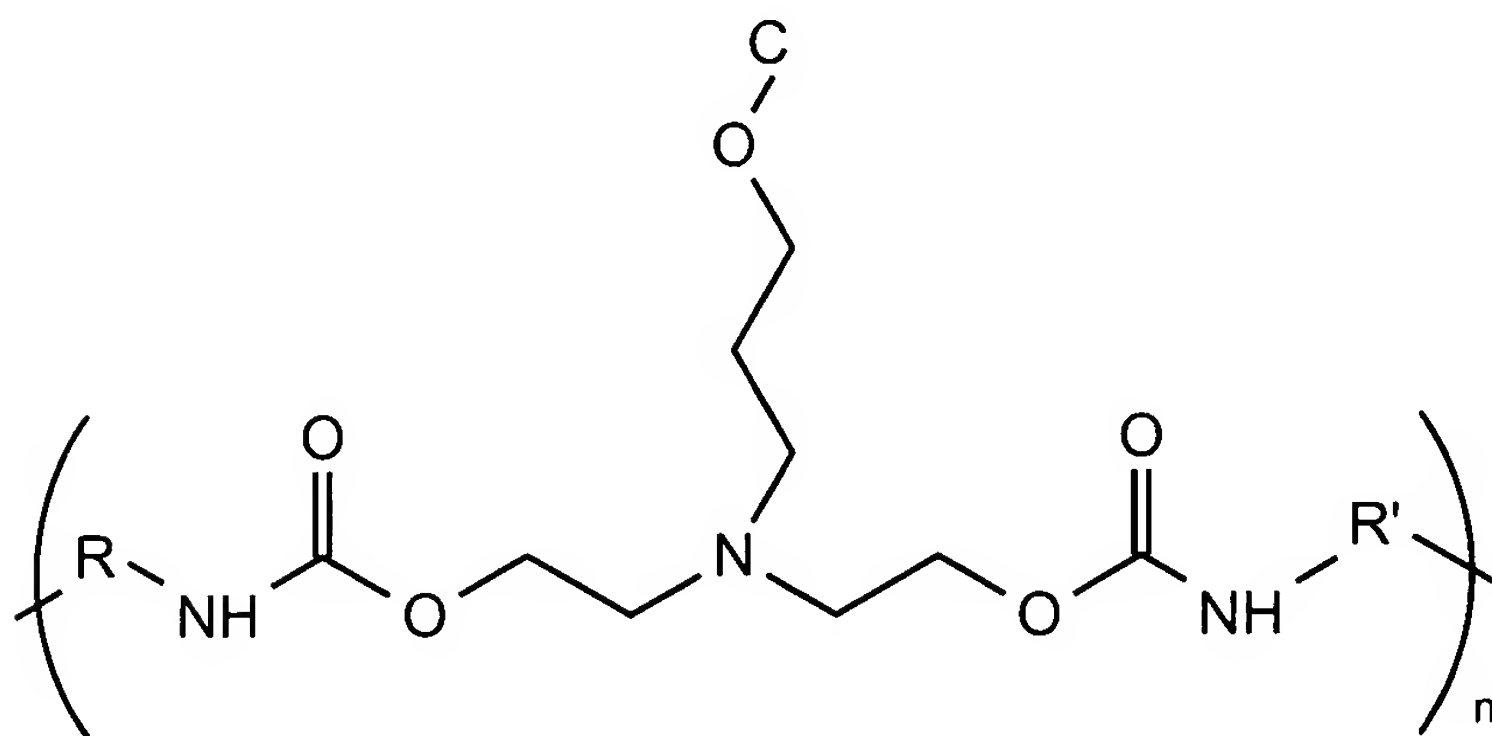
Where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independent chosen from the group containing  $[-(\text{C}=\text{O})\text{O}-, -\text{O}(\text{C}=\text{O})\text{NH}-, -\text{HN}(\text{C}=\text{O})\text{NH}-, -\text{O}-, -\text{OH}, -\text{CH}_2\text{OH}, \text{CH}_3, -(\text{C}=\text{O})\text{OH}, -\text{O}((\text{C}=\text{O})\text{C}=\text{C})_m-, -\text{N}(\text{C}=\text{O})-, -(\text{O}-\text{SiH}_2)_m-, -(\text{CH}_2)_n-]$  where m is an integer greater than zero.

Claim 14. (withdrawn): A surface coating comprising a polymer according to claim 13.

Claim 15. (withdrawn): A cast part comprising a polymer according to claim 13.

Claim 16. (withdrawn): An extruded film or fiber comprising a polymer according to claim 13.

Claim 17. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone, said polymer having the formula:



Where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independent chosen from the group containing  $[-(\text{C}=\text{O})\text{O}-$ ,  $-\text{O}(\text{C}=\text{O})\text{NH}-$ ,  $-\text{HN}(\text{C}=\text{O})\text{NH}-$ ,  $-\text{O}-$ ,  $-\text{OH}$ , -

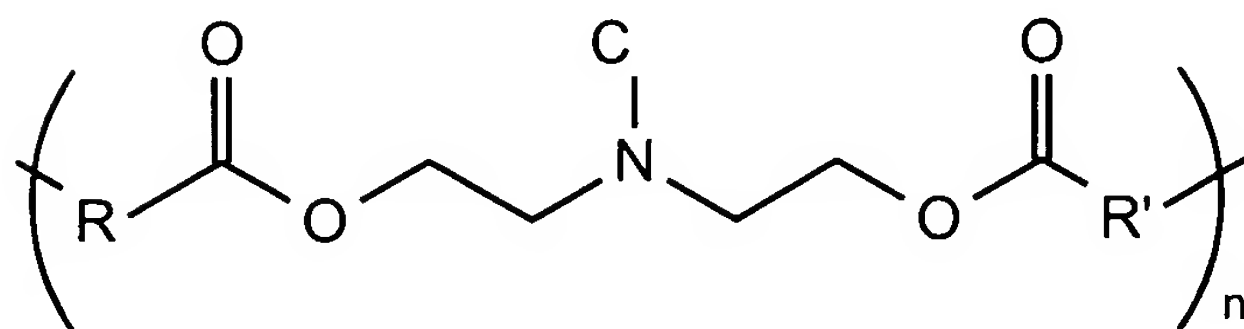
CH<sub>2</sub>OH, CH<sub>3</sub>, -(C=O)OH, -O((C=O)C=C)<sub>m</sub>-, -N(C=O)-, -(O-SiH<sub>2</sub>)<sub>m</sub>-,  
 -(CH<sub>2</sub>)<sub>n</sub>-] where m is an integer greater than zero.

Claim 18. (withdrawn): A surface coating comprising a polymer according to claim 17.

Claim 19. (withdrawn): A cast part comprising a polymer according to claim 17.

Claim 20. (withdrawn): An extruded film or fiber comprising a polymer according to claim 17.

Claim 21. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone, said polymer having the formula:



Where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independently chosen from the group containing  $[-(C=O)O-$ ,  $-O(C=O)NH-$ ,  $-HN(C=O)NH-$ ,  $-O-$ ,  $-OH$ ,  $-CH_2OH$ ,  $CH_3$ ,  $-(C=O)OH$ ,  $-O((C=O)C=C)_m-$ ,  $-N(C=O)-$ ,  $-(O-SiH_2)_m-$ ,  $-(CH_2)_n-$ ] where m is an integer greater than zero.

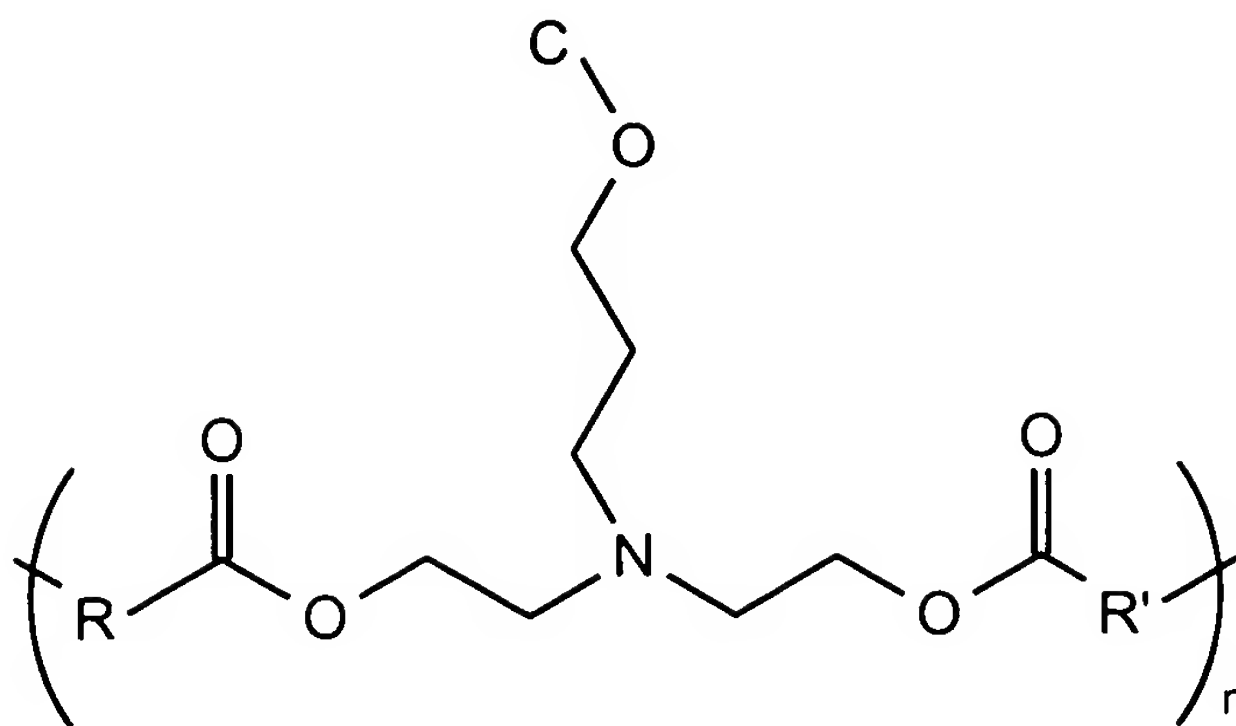
Claim 22. (withdrawn): A surface coating comprising a polymer according to claim 21.

Claim 23. (withdrawn): A cast part comprising a polymer according to claim 21.

Claim 24. (withdrawn): An extruded film or fiber comprising a polymer according to claim 21.

Claim 25. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone, said polymer having the formula:





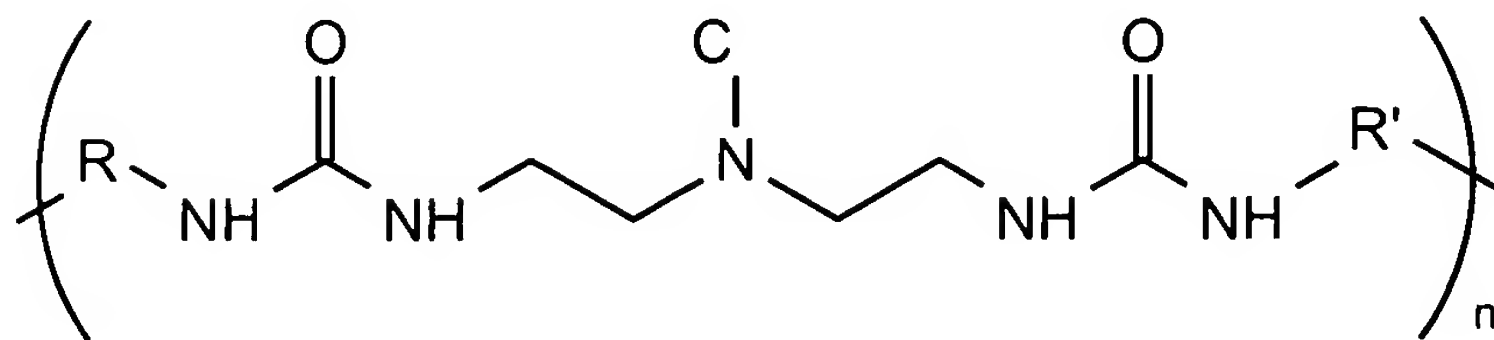
Where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independently chosen from the group containing  $[-(\text{C}=\text{O})\text{O}-$ ,  $-\text{O}(\text{C}=\text{O})\text{NH}-$ ,  $-\text{HN}(\text{C}=\text{O})\text{NH}-$ ,  $-\text{O}-$ ,  $-\text{OH}$ ,  $-\text{CH}_2\text{OH}$ ,  $\text{CH}_3$ ,  $-(\text{C}=\text{O})\text{OH}$ ,  $-\text{O}((\text{C}=\text{O})\text{C}=\text{C})_m-$ ,  $-\text{N}(\text{C}=\text{O})-$ ,  $-(\text{O}-\text{SiH}_2)_m-$ ,  $-(\text{CH}_2)_n-$ ] where m is an integer greater than zero.

Claim 26. (withdrawn): A surface coating comprising a polymer according to claim 25.

Claim 27. (withdrawn): A cast part comprising a polymer according to claim 25.

Claim 28. (withdrawn): An extruded film or fiber comprising a polymer according to claim 25.

Claim 29. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone, said polymer having the formula:



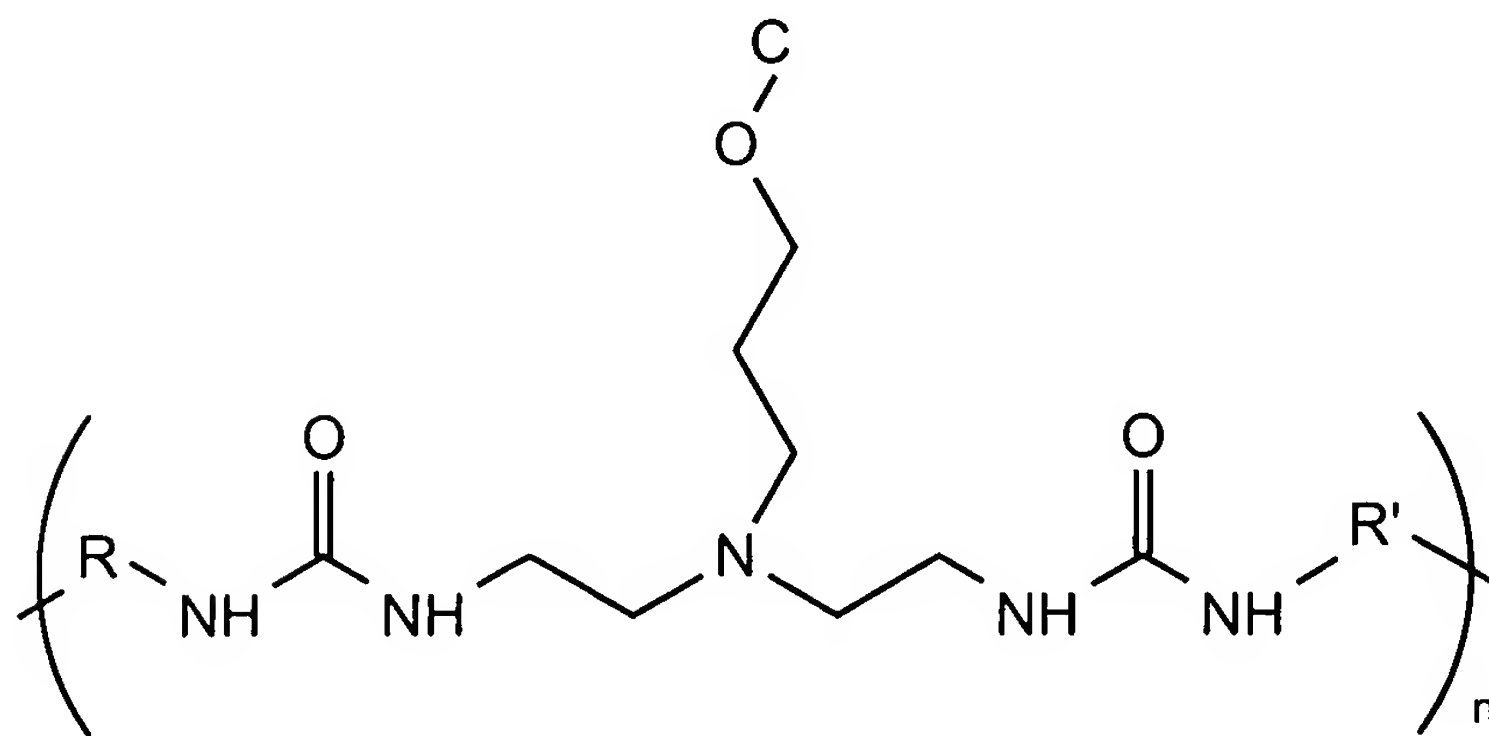
Where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independent chosen from the group containing  $[-(\text{C}=\text{O})\text{O}-, -\text{O}(\text{C}=\text{O})\text{NH}-, -\text{HN}(\text{C}=\text{O})\text{NH}-, -\text{O}-, -\text{OH}, -\text{CH}_2\text{OH}, \text{CH}_3, -(\text{C}=\text{O})\text{OH}, -\text{O}((\text{C}=\text{O})\text{C}=\text{C})_m-, -\text{N}(\text{C}=\text{O})-, -(\text{O}-\text{SiH}_2)_m-, -(\text{CH}_2)_n-]$  where m is an integer greater than zero.

Claim 30. (withdrawn): A surface coating comprising a polymer according to claim 29.

Claim 31. (withdrawn): A cast part comprising a polymer according to claim 29.

Claim 32. (withdrawn): An extruded film or fiber comprising a polymer according to claim 29.

Claim 33. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone, said polymer having the formula:



Where C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independent chosen from the group containing  $[-(\text{C}=\text{O})\text{O}-$ ,  $-\text{O}(\text{C}=\text{O})\text{NH}-$ ,  $-\text{HN}(\text{C}=\text{O})\text{NH}-$ ,  $-\text{O}-$ ,  $-\text{OH}$ ,  $-$

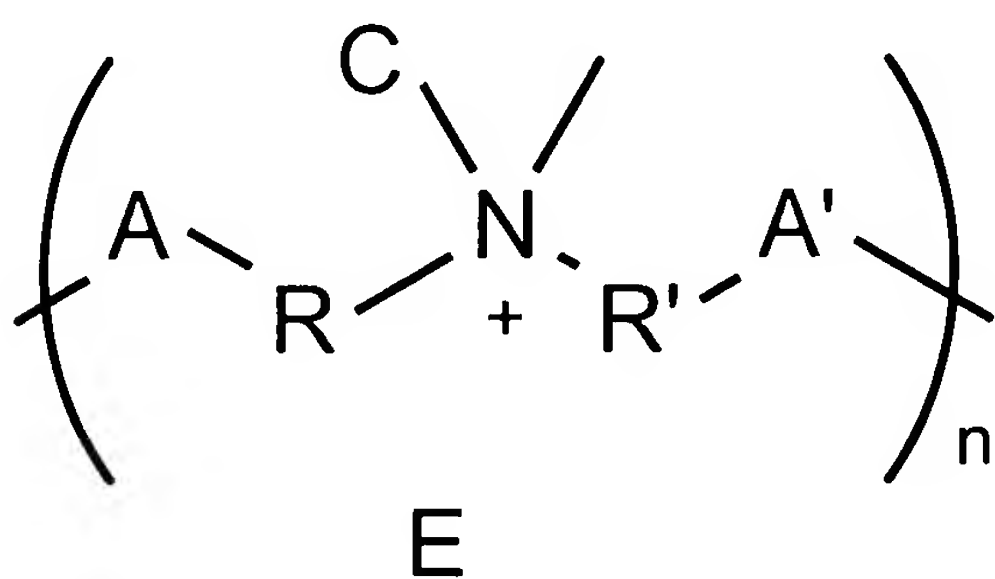
CH<sub>2</sub>OH, CH<sub>3</sub>, -(C=O)OH, -O((C=O)C=C)<sub>m</sub>-, -N(C=O)-, -(O-SiH<sub>2</sub>)<sub>m</sub>-,  
 -(CH<sub>2</sub>)<sub>n</sub>-] where m is an integer greater than zero.

Claim 34. (withdrawn): A surface coating comprising a polymer according to claim 33.

Claim 35. (withdrawn): A cast part comprising a polymer according to claim 33.

Claim 36. (withdrawn): An extruded film or fiber comprising a polymer according to claim 33.

Claim 37. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone having the formula:



where E is an anion, C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independently chosen from the group containing linear or branched, saturated or unsaturated, alkyl, alkenyl, alkylamine, -NH-, -NR-, or arylalkyl with 0 to 10 carbon atoms and where A and A' are the same or different and are independently chosen from the group containing

$[-(C=O)O-$ ,  $-O(C=O)NH-$ ,  $-HN(C=O)NH-$ ,  $-O-$ ,  $-OH$ ,  $-CH_2OH$ ,  $-CH_3$ ,  $-(C=O)OH$ ,  $-O((C=O)CO)_m-$ ,  $-O((C=O)C=C)_m-$ ,  $-N(C=O)-$ ,  $-O(C=O)C_6H_4(C=O)-$ ,  $-O(C=O)D-$ ,  $-OC(C-OH)D-$ ,  $-(O-SiH_2)_m-$ ,  $-(CH_2)_1-$ ] where D is linear or branched, saturated or unsaturated, alkyl, alkenyl, alkylamine or alkylaryl with 0 to 10 carbon atoms, and where l and m are integers greater than zero.

Claim 38. (withdrawn): A polymer according to claim 37 wherein A and A' are the same or different and are independently chosen from the group containing  $[-(C=O)O-$ ,  $-O(C=O)NH-$ ,  $-HN(C=O)NH-$ ,  $-O-$ ,  $-OH$ ,  $-CH_2OH$ ,  $CH_3$ ,  $-(C=O)OH$ ,  $-O((C=O)C=C)_m-$ ,  $-N(C=O)-$ ,  $-(O-SiH_2)_m-$ ,  $-(CH_2)_m-$ ] wherein m is an integer greater than zero.

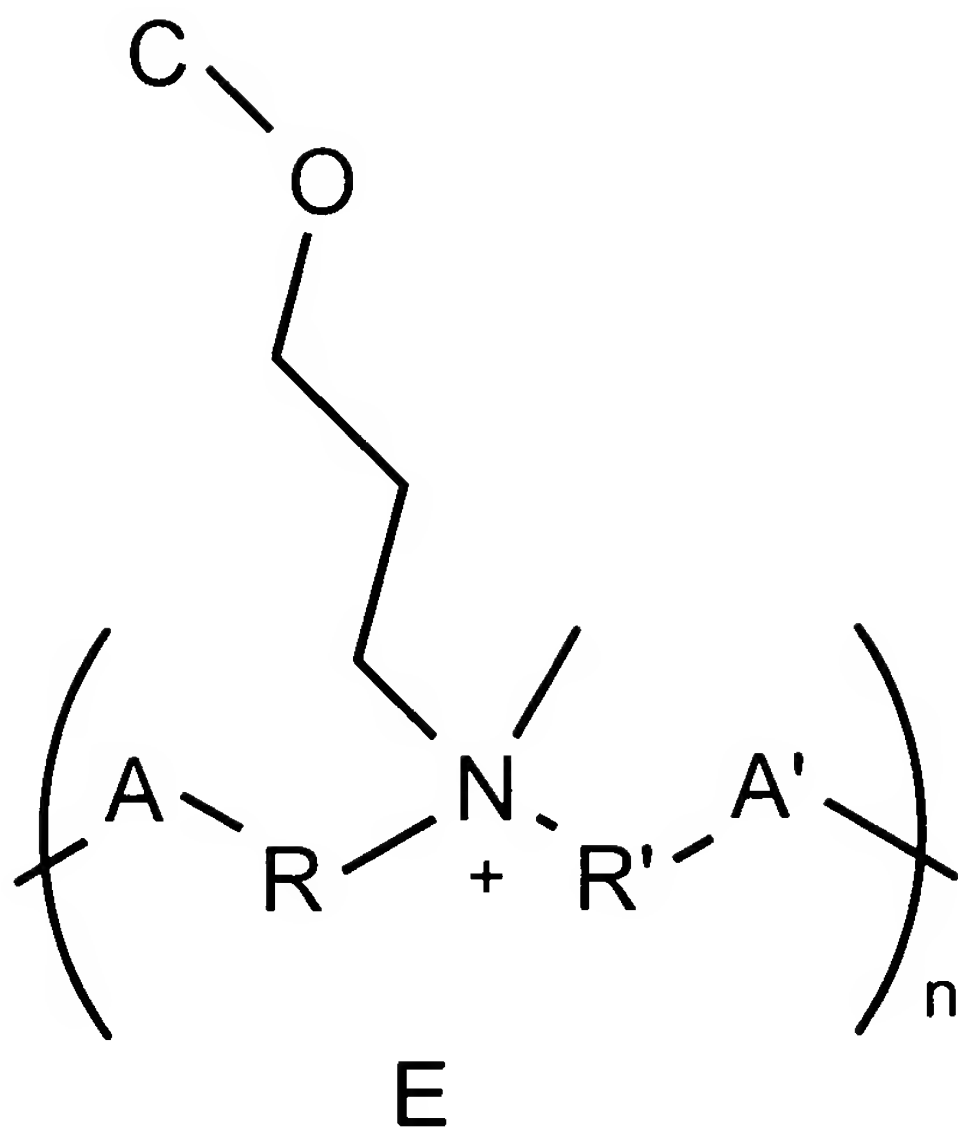
Claim 39. (withdrawn): The polymer of claim 37 wherein the pendant fatty group has an occurrence rate of from 5 ppm to 100%.

Claim 40. (withdrawn): A surface coating comprising a polymer according to claim 37.

40. Claim 41. (withdrawn): A cast part comprising a polymer according to claim 37.

Claim 42. (withdrawn): An extruded film or fiber comprising a polymer according to claim 37.

Claim 43. (withdrawn): A polymer containing a fatty group pendant to the polymer backbone having the formula:



where E is an anion, C is a saturated or unsaturated alkyl group with between about 6 and 22 carbons and R and R' are the same or different and are independently chosen from the group containing linear or branched, saturated or unsaturated, alkyl, alkenyl, alkylamine, -NH-, -NR-, or arylalkyl with 0 to 10 carbon atoms and where A and A' are the same or different and are independently chosen from the group containing

[-(C=O)O-, -O(C=O)NH-, -HN(C=O)NH-, -O-, -OH, -CH<sub>2</sub>OH, -CH<sub>3</sub>,  
 -(C=O)OH, -O((C=O)CO)<sub>m</sub>-, -O((C=O)C=C)<sub>m</sub>-, -N(C=O)-,  
 -O(C=O)C<sub>6</sub>H<sub>4</sub>(C=O)-, -O(C=O)D-, -OC(C-OH)D-, -(O-SiH<sub>2</sub>)<sub>m</sub>-,

$-(CH_2)_1-$  where D is linear or branched, saturated or unsaturated, alkyl, alkenyl, alkylamine or alkylaryl with 0 to 10 carbon atoms, and where l and m are integers greater than zero.

Claim 44. (withdrawn): A polymer according to claim 43 wherein A and A' are the same or different and are independently chosen from the group containing  $[-(C=O)O-$ ,  $-O(C=O)NH-$ ,  $-HN(C=O)NH-$ ,  $-O-$ ,  $-OH$ ,  $-CH_2OH$ ,  $CH_3$ ,  $-(C=O)OH$ ,  $-O((C=O)C=C)_m-$ ,  $-N(C=O)-$ ,  $-(O-SiH_2)_m-$ ,  $-(CH_2)_m-$ ] wherein m is an integer greater than zero.

Claim 45. (withdrawn): The polymer of claim 43 wherein the bromo-nitro group has an occurrence rate of from 5 ppm to 100%.

Claim 46. (withdrawn): A surface coating comprising a polymer according to claim 43.

Claim 47. (withdrawn): A cast part comprising a polymer according to claim 43.



Claim 48. (withdrawn): An extruded film or fiber comprising a polymer according to claim 43.

Claim 49. (withdrawn): A polymer comprising a monomer having at least one pendant fatty group, either saturated or unsaturated, branched or linear from about 6 to 22 carbons wherein the polymer is the reaction product of a polyisocyanate with a polyol, the polyol or polyisocyanate containing the pendant fatty group.

Claim 50. (withdrawn): A polymer comprising a monomer having at least one pendant fatty group, either saturated or unsaturated, branched or linear from about 6 to 22 carbons wherein the polymer is the reaction product of a polyisocyanate with a polyamine, the polyamine or polyisocyanate containing the pendant fatty group.

Claim 51. (cancelled).

Claim 52. (currently amended): A hydrophobic polymer with a urea backbone containing an alkyl chain of from around 6 to around 32 carbons pendent to a polymer backbone.